

AMENDMENTS TO THE CLAIMS

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This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1-22. (Cancel)

23. (New) A portable device for enabling vapourization of a chemical formulation into an atmosphere comprising:

receiving means for receiving a cartridge, the receiving means having an opening and a recess into which the cartridge is inserted;

the cartridge storing the chemical formulation;

heater means for contacting the chemical formulation and vapourizing the chemical formulation when the cartridge is inserted into the receiving means and the heater means is energised;

aperture means to enable vapourized chemical formulation to be guided therethrough into the atmosphere;

wherein the recess of the receiving means and the cartridge have means for providing an interference fit in order to locate the cartridge in a predetermined position with respect to the heater means.

24. (New) A device according to claim 23 wherein the recess has projection means that provide the interference fit with indentation means on the cartridge and thereby gives a tactile indication to a user that the cartridge has reached the predetermined position.

25. (New) A device according to claim 24 wherein the indentation means is one or more notches.

26. (New) A device according to claim 24 wherein the projection means is one or more lugs.

27. (New) A device according to claim 23 wherein the recess has indentation means that provides the interference fit with projection means on the cartridge and thereby gives a tactile indication to a user that the cartridge has reached the predetermined position.

28. (New) A device according to claim 27 wherein the indentation means is one or more notches.
29. (New) A device according to claim 27 wherein the projection means is one or more lugs.
30. (New) A device according to claim 23 wherein the cartridge has a wick in contact with the chemical formulation such that when the predetermined position is reached the wick is in contact with the heater means.
31. (New) A device according to claim 23 wherein the recess has guide means for guiding the cartridge when the cartridge is inserted into the recess.
32. (New) A device according to claim 23 further comprising electrical circuit means in order to provide one or more pulses sequentially to the heater means so as to enable the heater means to vapourize the chemical formulation.
33. (New) A device according to claim 32 wherein a partition divides the interior of the device into a first compartment and a second compartment.
34. (New) A device according to claim 33 wherein the partition comprises an electrical circuit board housing an electrical circuit means.
35. (New) A device according to claim 34 wherein the electrical circuit board is double-sided providing electrical connections to electrical components of the electrical circuit means.
36. (New) A device according to claim 35 wherein the electrical components of the electrical circuit means are located either on one or both sides of the electrical circuit board.
37. (New) A device according to claim 36 wherein the heater means is mounted on a side of the electrical circuit board within the first compartment, the first compartment housing the receiving means and having the aperture means so as to enable the heater means to contact the chemical formulation on the cartridge when the cartridge is inserted into the receiving means.
38. (New) A device according to claim 32 constructed as two detachable members wherein a first member houses the receiving means and having aperture means and a second member houses a power supply.

39. (New) A device according to claim 38 wherein the electrical circuit means is mounted on an electrical circuit board acting as a partition between the first member and the second member.

40. (New) A device according to claim 39 wherein the electrical circuit board is double-sided.

41. (New) A device according to claim 40 wherein the heater means is mounted on a side of the electrical circuit board in the first member to enable the heater means to contact the chemical formulation on the cartridge when the cartridge is inserted into the receiving means.

42. (New) A device according to claim 41 further comprising switch means to activate and deactivate power supplied to the heater means.

43. (New) A device according to claim 42 further comprising indicator means to indicate battery charge status and/or device failure.